

$$X = (x_1, \dots, x_n); \quad Domain = \{H, M, L\} \quad (1)$$

$$P(x_1, \dots, x_n) = \prod_{i=1}^n P(x_i | parent(X_i)) \quad (2)$$

$$= P(x_1)P(x_2)P(x_3|x_1)P(x_4|x_1)P(y|x_2, x_3, x_4) \quad (3)$$

$$scaled_Journal_R = \frac{Journal_R}{Population_R} * 100 \quad (4)$$

$$PPP = \frac{GDP * RealExchangeRate}{Population_R} \quad (5)$$

$$\arg \max_{x_i} P(x_i | PPP, Edu) \quad (6)$$